

JEDLIČKA, Miroslav, inz. CSc.

Photoelectric emitters for visible and invisible radiation.  
Fl tech cas 16 no.4:221 233 '65.

1. Research Institute of Vacuum Electrical Engineering, Prague.  
Submitted July 16, 1964.

L 30051-66

ACC NR: AP6006415

SOURCE CODE: CZ/0055/66/016/002/0132/0137

AUTHOR: Jedlicka, M

43  
B

ORG: Vacuum Electronic Research Institute, Prague

TITLE: The sensitivity of photocathodes under x-ray excitation

SOURCE: Czech. J. Phys. B 16, no. 2, 1966, 132-137

TOPIC TAGS: photomultiplier, photoelectric effect, photoelectric cell

ABSTRACT: The x-ray photoemission of conducting, semiconducting and insulating emitters was investigated. Platinum and an AgMg alloy were used as conducting emitters, Sb-Cs, Sb-Na-K-Cs, Te-Cs-Sb-Na-K layers as semiconductor emitters, and KCl as the insulator emitter. The metal emitters were in the form of 25  $\mu$ m thick platinum and 40  $\mu$ m thick AgMg discs housed in an evacuated envelope fitted with an observation window of French Sovirelglas S 801.51 (Kovarglas). The emission of other substances was investigated using photocathodes made of the above compounds. The photocathodes were incorporated in experimental photoelectric cells and in an experimental image amplifier with a transparent secondary emission dynode. The entry or input window of these tubes was also of Sovirelglas S 801.51. The light sensitive layers were positioned directly on the glass wall. A medical, semiautomatic x-ray apparatus was used as the x-ray source and the measurements were made in the x-ray voltage range of 60 kV

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ACC NR: AP6006415

to 200 kV. The radiation strength was measured with a Victor ionization chamber operating in the 0 to 25 r range and all measurements were made exclusively with a continuous spectrum. The substances of low electrical conductivity exhibited the greatest sensitivity, particularly in the soft radiation region. From the linearity of the relation between the emitted current and the radiation strength it is concluded that the investigated emitters, as well as layers of certain other substances can be used in photomultipliers to measure radiation strength. Orig. art. has: 4 figures. and 1 formula.

SUB CODE: 09, SUBM DATE: 25Jun65/ SOV REF: 003

Card

2/2

JEDLICKA, Miroslav, inz., nositel cestneho odznaku "Nejlepší pracovník  
geologické služby"

Trend in the development of geological survey technique in  
the Soviet Union. Geol pruzkum 5 no.5:150-151 My 163.

1. Geologický pruzkum, n.p., Brno, zavod Jihlava.

JEDLICKA, Miroslav

Results of the conference on bore tubes. Geol pruzkum 5  
no.10:319 0 '63.

TOPOL, O.; JEDLICKA, P.; BENES, J.

Standardization of roentgenotherapy of intracranial tumors. Cas. lek.  
cesk. 97 no.14:451-455 4 Apr 58.

1. Onkologicke oddeleni LFH v Praze 12, prednosta MUDr. E. Ungar.  
Neurologicka klinika LFH v Praze 12, prednosta prof. MUDr. J. Sebek.  
O. T., Praha 15, Prava ul. 3.

(BRAIN NEOPLASMS, ther.  
radiother., standard. (Cz))  
(RADIOTHERAPY, in various dis.  
cancers of brain, standard. (Cz))

JEDLICKA, Pavel, MUDr.; STYBLOVA, Valja, MUDr.

Two cases of zoster encephalitis. Cas. lek. cesk. 44 no.34-35:  
939-942 26 Aug 55.

1. Z neurologické kliniky v Praze XII, predn. prof. Dr. J. Sebek.  
(ENCEPHALITIS, complications  
herpes zoster.)  
(HERPES ZOSTER, complications  
encephalitis.)

TOPOL, O.; JEDLICKA, P.; CHODOUNSKY, Z.

Our experiences with the treatment of malignant brain tumors with radiations. Cesk. neurol. 25 no.3:154-159 My '62.

1. Radiologicke oddeleni Fakultni nemocnice, Praha 10, vedouci MUDr.
- L. Lintner Neurologicka klinika lekarske fakulty hygienicke KU v Praze 10, prednosta doc. dr. Zdenek Macek.

(BRAIN NEOPLASMS radiother)



CZECHOSLOVAKIA

JEDLICKA, R., MD, anesthetist at the District Hospital (Oblastni nemocnice), Prague-Motol, O. LOWY, MD, director; and BLAHOS, J., Research Institute of Endocrinology (Vyzkumny ustav endokrinologicky), Prague, Docent Dr K. SILINK.

"Selection and Management of Anesthesia, Preoperative and Postoperative Care in Hyperinsulinism"

Prague, Casopis Lekaru Ceskych, Vol CII, No 24, June 63, pp 654-658.

Abstract [Authors' English summary]: An account of preparations for treatment, and preoperative and postoperative care of patients with hyperinsulinism. The exceptional character of these cases is the ready development of hypoglycaemic conditions and previous prolonged massive hormonal treatment. The need is emphasized of preliminary glucose treatment. Recommended is the ether anesthesia combined with nitrous oxide and relaxant drugs. Attention is drawn to

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JEDLICKA, Rudolf

Appendicitis with simultaneous pregnancy observed during 10 years.  
Rozhl. chir. 39 no.4:254-261 Ap '60

1. Chirurgické oddelení nemocnice v Praze-Motole, přednosta prof.  
dr. B. Niederle.

(PREGNANCY, compl.)

(APPENDICITIS, in pregn.)

JEDLICKA, R.; BLAHOS, J.

Choice and administration of anesthetic and preoperative and postoperative care in hyperinsulinism. Cas. lek. cesk. 102 no.24:654-658 14 Je '63.

1. Oblastni nemocnice v Praze-Motole, reditel MUDr. O. Lowy, ustavni anesteziolog MUDr. R. Jedlicka Vyzkumny ustav endokrinologicky v Praze, reditel doc. dr. K. Silink.

(HYPERINSULINISM) (ETHER, ETHYL)  
(NITROUS OXIDE) (ANESTHESIA, INHALATION)  
(PREOPERATIVE CARE)

JEDLICKA V.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products. H  
Water Treating. Sewer Waters.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67880.

Author : Jedlicka V.

Inst : Not given.

Title : A Case of Severe River Pollution with Industrial  
Effluent Waters.

Orig Pub: Ceskosl. hyd., 1956, No 6, 306-309.

Abstract: As a result of dumping industrial waters from the  
SV metallurgical plant into L river, the concentra-  
tion of Pb reached 11-16 mgr/l. and that of As 137-  
180 mgr/l.

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CZECHOSLOVAKIA / Chemical Technology. Chemical Products H  
and Their Applications. Pesticides.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12949.

Abstract: used in ethyl ether; as an active solvent - acetone and water in a ratio of 3:1. DDT and HCCH were extracted from different materials by petrographic ether or  $C_6H_6$ . The method gives reliable results for identification of DDT and HCCH both in the form of dusts and in the form of liquid preparations for spraying.  $R_f$  of DDT comprises 0.23-0.43; HCCH 0.37-0.62, varying with the paper used. -- L. Vol'fson.

Card 2/2

75

EXCERPTA MEDICA Soc.2 Vol.11/4 Physio-biochem-pharm Apr58

JEDLIČKA V.

1852. PESTICIDES IN FOODSTUFFS. I. THE DETERMINATION OF RESIDUAL AMOUNTS OF CHLORINATED HYDROCARBONS IN BIOLOGICAL MATERIAL AND IN FOODSTUFFS - Jedlička V. and Černá V. Inst. of Hyg., Prague - REV. SZECH. MED. 1957, 3/2 (149-160) Graphs 8 Tables 2 Ilus. 1  
A combustion method is introduced for determining residual amounts of some types of insecticides in foodstuffs. It has been elaborated into a method for determining residues of chlorinated hydrocarbons using the objective indicator of potentiometric titration. The reproducibility was verified by model experiments on some types of foodstuffs and by an analysis of the organs of rats subjected to experimental poisoning with chlorinated hydrocarbon insecticides. The limit of sensitivity is 2.5 µg. Cl<sup>-</sup>/ml. The accuracy ranges within the limits of 2-11%. If using non-polar solvents for extraction, the determination is not disturbed by the presence of inorganic chlorides. The method has proved suitable for the determination of halogen pesticides of the contact type (DDT, hexachlorocyclohexane, chlorinated camphenes, 'aldrin', methoxychlor, chlormethine etc.) and also, in a simplified form without extraction, for the direct determination of halogen pesticides of the type of fumigation disinfectants (1:2-dichloroethane, tetrachloromethane, methyl bromide, chloropicrin, dichlorodiethyl sulphide, etc.).

JEDLICKA, V.; PASEK, A.; GOLA, J.

Pesticides in foods. III. Acrylonitrile as a food insecticide. J. Hyg. Epidemiol., Praha 2 no.1:116-125 1958.

1. Food Technology Research Institute, Prague 16, Na belidle 26 (for Jedlicka and Pasek). 2. Meat and Fish Research Institute, Brno, Palackeho 1-3, Czechoslovakia (for Gola).

(CYANIDES, determination

acrylonitrile in foods & other media, method)

(FOOD,

contamination with acrylonitrile, determ. method)

(INSECTICIDES, effects

acrylonitrile contamination of foods, determ. method)

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application. Pesticides.

H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36161

Author : Jedlicka, V., Mark, Vl., Matouskova, J.

Inst : -

Title : Pesticides in Food Products.

Orig Pub : Prumysl potravin, 1958, 9, No 2, 90-92.

Abstract : No abstract.

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H-108  
55

the pesticides content of agricultural products in  
the United States are cited.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610006-2

CARD:

Affiliation:

Source: Bratislava, Chemicke Zvesti, No 11-12, Nov-Dec 60, p 757

Data:

JEDLICKA, V.

ACADEMIC DEGREES: Engineer

Affiliation: Central Research Institute of Food Industry, Prague

Data: Co-author of "Oscillopolarographic Determination of  
Contaminating Substances in Foodstuffs," Source.

PASEK, A.

Affiliation: Central Research Institute of Food Industry, Prague

Data: Co-author of "Oscillopolarographic Determination of  
Contaminating Substances in Foodstuffs," Source.



JEDLIČKA, VACLAV

Pathologická anatomie specialni [Vyd. 2.] Praha, Statni pedagogické nakl., 1952. [Special  
pathological anatomy. Vol. 1. The respiratory system.]

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954,  
Uncl.

JEDLICKA, V.

EISELT, E., Dr; SKOREPA, J., dr; JEDLICKA, V., prof. dr.

Bacterial endocarditis in congenital heart disease associated with situs viscerum inversus. Cas.lek.cesk. 91 no.45-46:1291-1297 14 Nov 52.

1. Ze IV. interni kliniky (prednesta prof. dr. B. Prusik) a II. pathol-anatom. ustavu (prednesta prof. dr. V.Jedlicka).

(SITUS INVERSUS,

visceral, with bact. endocarditis & congen. cardiovasc. defects)

(ENDOCARDITIS, BACTERIAL, complications,

situs inversus of viscera & congen. cardiovasc. defects)

(CARDIOVASCULAR DEFECTS, CONGENITAL, complications,

endocarditis, bact., & situs inversus of viscera)

JEDLICKA, Václav

Chordomas, chordoblastomas and ecchordosis. Cesk.onkol. 1 no.3-4:  
284-320 1954.

1. II. pathologicko-anatomicky ustav lekarske fakulty Karlovy uni-  
versity, Praha. Prof. MUDr Václav Jedlicka, Praha-Musle, Nezamyslova  
5.

(CHORDOMA,)

✓  
JEDLIKA, Wacław

Kidney neoplasms based on anatomopathological investigations. Urol.  
polska no.11:25-38 1957.

1. Z II Zakładu Anatomii Patologicznej Wydziału Lekarskiego Uniwersytetu Karola w Pradze Kierownik: prof. dr med. W. Jedlicka.

(KIDNEYS, neoplasms  
anatomopathol. manifest. (Pol))

JEDLIČKA, V.

POLAK, E.; LEVINSKY, L.; JEDLIČKA, J.; JEDLIČKA, V.; ZAK, P.

Operative closure of congenital esophagobronchial fistula in a woman with congenital pulmonary cysts & multiglandular insufficiency: nanosomia & geroderma produced by anovarium. Rozhl. chir. 36 no.7: 454-464 July 57.

1. Chirurgická klinika hygienické fakulty (prof. Dr. Emerich Polak), plicní klinika (prof. Dr. Jaroslav Jedlička), II, patologicko-anatomický ústav (prof. Dr. Václav Jedlička) Karlovy university v Praze.

(ESOPHAGUS, fistula

congen. esophagobronchial fistula with congen. pulm. cysts and nanosomia & geroderma caused by anovarium, surg. (Cz))

(BRONCHI, fistula  
same)

(LUNGS, cysts

congen. with congen. esophagobronchial fistula & nanosomia & geroderma caused by anovarium, surg. (Cz))

(OVARIES, abnorm.

absence, causing nanosomia & geroderma, with congen. esophagobronchial fistula & congen. pulm. cysts surg. (Cz))

JEDLIČKA, Václav, Ing. CSc.; OTTA, Karel; MATEJČKA, Simona, Ing.; LINHART, Alois

Experimental pasteurization of egg paste by gamma irradiation. From  
potravin 15 no.10:528-529 O '64.

1. Central Research Institute of Food Industry, Prague (for Jedlicka and  
Otta). 2. Prazske pekarny a mlyny National Enterprise, Prague (for Mate-  
jka and Linhart).

JEDLICKA, Vladimir

Eosinophilic leukemia and reactive hypereosinophilia.  
Cesk. onkol. 1 no.1:63-87 1955.

1. Interni oddeleni nemocnice NUZ-ONV Praha 3. Prof. dr.

V. Jedlicka, Praha I, Martinska 2.

(LEUKEMIA,

eosinophilic, with reactive eosinophilia)

(EOSINOPHILIA, etiology and pathogenesis  
leukemia, eosinophilic)

JEDLICKA, V.

JEDICKA, V.

Malignant tumors as occupational diseases caused by chemicals. p. 64.

Vol. 9, no. 1, Jan. 1955; Chemicke Zvesti.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956



JEDLICKA, Vladimir, Prof. MUDr (Praha I. Martinska 2)

ACTH and cortisone in the treatment of chronic lymphatic leukemia. Cesk.onkol. 2 no.2-3:274-293 1955.

1. Interni odd. nemocnice OUNZ v Praze I.

(ACTH, therapeutic use,  
leukemia, lymphatic)

(CORTISONE, therapeutic use,  
leukemia, lymphatic)

(LEUKEMIA, LYMPHATIC, therapy,  
ACTH & cortisone)

EXCERPTA MEDICA Sec 16 Vol 7/7 Cancer July 59

2678. Paramyeloblastic leukaemia appearing simultaneously in two blood cousins after simultaneous contact with gammexane (hexachlorocyclohexane) JEDLIČKA VL., HERMANŠKÁ Z., SMÍDA I. and KOUBA A. Med. Clin., Ped. Fac., Charles Univ., Prague *Acta med. scand.* 1958, 161/6 (447-451)

Acute myeloid leukaemia developed simultaneously in 2 blood cousins both 20 yr. old, who had always lived and worked together. Eight months before the onset of the disease, they both had been in contact with an insecticide called 'gammexane'. The literature mentions some cases of severe and even fatal bone marrow failure after contact with this product. Attention is drawn to the possible intervention of constitutional and hereditary factors in the development of leukaemia.

Potvliege - Brussels

JEDLICKA, Vladimir; HERMANŠKA, Zorka

Portal stasis in idiopathic myelofibrosis syndrome. Cas.lek.cesk.  
99 no.18:553-557 Ap 29 '60.

1. I. interni klinika FDL nemocnice pod Petrinem, prednosta  
Vladimir Jedlicka.

(BONE MARROW dis.)

(PORTAL VEINS dis.)

KOTAS, J.; ROTREKL, V.; JEDLIČKA, V.

Errors in plasma potassium determination. Cas. lek. cesk. 103  
no. 12:1164-1166 G 16 '64.

1. Ústřední laborator nemocnice pod patronou fakulty lékařského  
lékařství Karlovy University v Praze (prednosta prof. dr. V.  
Jedlička, inSc.).

VYMOLA, F.; JEDLICKOVA, Z.; ROTREKL, V.; PRAZAK, J.; JEDLICKA, V.; FILSAKOVA, E.

Bacterial superinfection in an influenza epidemic. Role of staphylococci in acute pulmonary complications in chronic pulmonary heart diseases during the 1962 influenza epidemic. Cas. lek. cesk. 103 no.36:998-1003 4 S '64.

1. Ustav epidemiologie a mikrobiologie v Praze, (reditel prof. dr. K. Raska, DrSc.); Katedra mikrobiologie Ustavu pro doskolovani lekaru v Praze (vedouci prof. dr. K. Raska, DrSc.); I interni klinika nemocnice pod Petrinem fakulty detskeho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Jedlicka, DrSc) a Centralni rentgenologicke oddeleni nemocnice pod Petrinem v Praze (vedouci MUDr. E. Filsakova).

JEDLIČKA, Vladimír, dr.

Deliveries of export goods and goods imported according to  
the Economic Code. Podn org 19 no.4:164-167 Ap '65.

PATOCKA, Franticek; SOUCEK, Andrej; MARA, Milan; JEDLICKOVA, Anna;  
ZAHOROVA, LEOPOLDA

Contribution to the problem of so-called atypical *Corynebacteria*  
considered as human variants of *Corynebacteria pyogenes*. *Cesk.*  
*epidem. mikrob. imun.* 10 no.3:184-191 '61.

1. Laborator pro specialni lekarskou mikrobiologii a imunologii  
lekarske Fakulty KU v Praze.  
(CORYNEBACTERIUM)

OPEKAR, B.; Laboratorni spoluprace: CERMAKOVA, I.; JEDLICKOVA, H.;  
KREJCAROVA, A.; HRUBES, V.

Results of investigations of the atmospheric contamination  
in some centres of the South Bohemian region. Cesk. hyg. 8  
no.5:254-264 Je '63.

1. KHES, Ceske Budejovice.  
(AIR POLLUTION)



PUJMAN, V.; CERNOCHOVA, S.; HAMPEJSOVA, H.; JEDLICKOVA, M.

The effect of chlorprothixene and 6-mercaptopurine on the LA  
VUFB mouse leukaemia. Neoplasma 10 no.4:365-370 '63.

1. Research Institute for Pharmacy and Biochemistry, Prague,  
CSSR.

(CHLORPROTHIXENE) (MERCAPTOPURINE)  
(LEUKEMIA, EXPERIMENTAL)  
(ANTINEOPLASTIC AGENTS)  
(BODY WEIGHT) (SPLEEN)  
(LIVER)

*7502 TCA 101, 12.*  
KRYL, R., Dr.; JEDLICKOVA, Z., Dr.; HALLOVA, D., Dr.; MAGROVA, Fr., J.;  
RIHOVA, M., Dr., a ved. krouzek posluchacu LFH: BINDAS, B;  
HELCL, J.; PUR, J.; TRISKA, J.; VACKOVA, J.

Experiences with out-patient therapy of whooping cough with  
chloramphenicol. Cesk. pediat. 11 no.9:652-659 Sept 56.

1. Klinika infekcnich nemoci v Praze na Bulovce Bakteriolog.-  
serolog. oddeleni Bulovky, prednosta doc. Vlad. Wagner.

(WHOOPING COUGH, ther.

chloramphenicol, out-patient ther. (Cz))

(CHLORAMPHENICOL, ther. use

whooping cough, out-patient ther. (Cz))

(OUT-PATIENT SERVICES

in whooping cough, chloramphenicol ther. (Cz))

HORSKY, E.; JEDLICKOVA, Z.

Bacterial flora of the eye and their sensitivity to antibiotics during cultivation. Cesk. oftal. 19 no.6:415-420 N°63.

1. Ceni oddeleni klin. zakladny UDL v nemocnici v Praze 8, na Bulovce (vedouci doc. dr. F.V.Michal) a Bakteriologicko-serologicke oddeleni nemocnice v Praze 8, na Bulovce.

\*

VYMOLA, F.; JEDLICKOVA, Z.

Resistance of dyspeptic strains of Escherichia coli to antibiotics. Preparation of strains resistant to streptomycin, neomycin and kanamycin. Cesk. epidem. 13 no.1:35-41 Ja'64.

1. Ustav epidemiologie a mikrobiologie v Praze a Katedra mikrobiologie UDL v Praze.

\*

VYMOLA, F.; JEDLICKOVA, Z.

Resistance of dyspeptic strains of *Escherichia coli* to antibiotics (preparation of strains resistant to neomycin, kanamycin, and streptomycin). J.hyg. epidem., Praha 8 no.1: 134 '64

\*

VYMOLA, F.; JEDLICKOVA, Z.; ROTREKL, V.; PRAZAK, J.; JEDLICKA, V.; FILSAKOVA, E.

Bacterial superinfection in an influenza epidemic. Role of staphylococci in acute pulmonary complications in chronic pulmonary heart diseases during the 1962 influenza epidemic. Cas. lek. cesk. 103 no.36:998-1003 4 S '64.

1. Ustav epidemiologie a mikrobiologie v Praze, (reditel prof. dr. K. Raska, DrSc.); Katedra mikrobiologie Ustavu pro doskolovani lekaru v Praze (vedouci prof. dr. K. Raska, DrSc.); I interni klinika nemocnice pod Petrinem fakulty detskeho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Jedlicka, DrSc) a Centralni rentgenologicke oddeleni nemocnice pod Petrinem v Praze (vedouci MUDr. E. Filsakova).

JEDLICKOVA, Z.; VYMOLA, F.

Sensitivity of the genus Pseudomonas to antibiotics. J. hyg.  
epidem. (Praha) 9 no.1:111 '65

1. Institute of Epidemiology and Microbiology, Prague.

ZDARIL, Jaroslav; KUBICKOVA, Olga; WAGNER, Vladimir; JEDLICKOVA, Zdenka;  
MALY, Vladimir; VALCHOVA, Marie

The course of dysentery under the influence of different  
methods of treatment. Vnitřní lek. 11 no.1:59-67 Ja '65

1. Infekční oddělení Krajského ústavu národního zdraví, Plzeň  
(prednosta - dr. J. Zdaril); Mikrobiologický ústav v Plzni  
(prednosta - docent dr. Vladimir Wagner); Ústav organizace  
zdravotnictví v Praze (prednosta - prof. dr. J. Prosek) a  
Mikrobiologické oddělení, Krajská hygienicko-epidemiologická  
stanice, v Plzni (prednosta - dr. M. Valchova).



BLAHA, K., doc. dr.; VYMOLA, F.; JEDLICKOVA, Z.; PILLICH, J.; RYS, E.

Experiences with phagotherapy in otorhinolaryngology. Cesk.  
otolaryng. 14 no.2:66-69 Ap'65.

1. Katedra otorinolaryngologie UDL v Praze (vedouci: doc. dr.  
K. Blaha); Ustav epidemiologie a mikrobiologie v Praze; a  
Katedra mikrobiologie UDL v Praze (vedouci: MUDr. L. Syrucek,  
CSc.).

JEDLICKOVA, Z.; VYMOLA, F.; RYS, E.; BLAHA, K., doc. dr.

The problem of treatment of pyocyanus infections. Cesk. otolaryng.  
14 no.2:61-65 Ap'65.

1. Katedra mikrobiologie UDL v Praze (vedouci : MUDr. L. Syrucek,  
CS.); Ustav epidemiologie a mikrobiologie v Praze a Katedra  
otorinolaryngologie UDL v Praze (vedouci: doc. dr. K. Blaha).

JEDLICKOVA-BESTAKOVA, Zdenka

Fatal Aerobacter aerogenes septicopyemia. Cas. lek. cesk. 98 no.22:  
694-698 29 May 59.

1. Bakteriologicko-serologicke oddeleni nemocnice v Praze 8- Bulovka.  
prednosta doc. dr. Vladimir Wagner.

(SEPTICEMIA AND BACTEREMIA, case reports

Aerobacter aerogenes septicemia, fatal (Cz))

(AEROBACTER AEROGENES, infect.

fatal septicemia (Cz))

JEDLICKOVA-BESTAKOVA, Zdenka; KOUBA, Karel; ZAMECNIK, Slavomir

On the problem of the pathogenicity of *Nocardia asteroides*. Cas.lek.  
cesk 100 no.10:300-305 10 Mr '61.

1. Bakteriologicko-serologicke oddeleni (prednosta doc. dr. Vladimir  
Wagner), infekcni klinika (prednosta prof. dr. Jaroslav Prochazka)  
a gynekologicko-porodnicke oddeleni (prednosta primar dr. Jiri Pros)  
nemocnice v Praze 8-Bulovka.

(NOCARDIA INFECTIONS)

JEDLICKOVA-BESTAKOVA, Z.

On the biochemical detection of Pseudomonas. Cesk. epidem. 13  
no.4:229-234 JI '64.

1. Bakteriologicko-serologicke oddeleni nemocnice na Bulovce, Praha.

JELINEK, J.

"Construction of 400 and 500 kv lines in the Soviet Union."

ENERGETIKA, Praha, Czechoslovakia, Vol. 9, no. <sup>4</sup>X, March 1959

Monthly List of East European Accessions Index (EEAI), Library of Congress,  
Vol. 8, No. 8, August 1959

Unclassified

JEDLINSKA, Hanna; NADZIAKIEWICZ, Henryk

Application of alkaline solutions of tartrate ferrous complex  
EWNN for viscometric measurements of the polymerization degree  
of cellulose. Polimery 7 no.1:15-17 '62.

1. Instytut Wlokien Sztucznych i Syntetycznych w Lodzi, Zaklad  
Fizykochemiczny.

S/081/62/000/024/043/052  
B106/B186

AUTHORS: Nadziakiewicz, Henryk, Jedlińska, Hanna

TITLE: Study of cellulose solutions in ethylene diamino cadmium oxide hydrate, Cadoxen. Part I.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 952, abstract 24P1023 (Polimery, tworzywa wielkocząsteczkowe, v. 7, no. 3, 1962, 89-91 [Pol.; summaries in Eng. and Russ.] )

TEXT: This is a study on the dissolution of various cellulose preparations (linters and viscose fibers) in a solution of ethylene diamino cadmium oxide hydrate (Cadoxen). The polymerization degree of the preparations was 320 - 1850. Different preparations were found to have different solubilities. No distinct relation could be found between the polymerization degree and solubility of the samples. [Abstracter's note: Complete translation.]

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NADZIAKIEWICZ, Henryk; JEDLIŃSKA, Hanna

Research on cellulose solutions in ethylenediamine cadmium hydroxide. Pt. 2. Measurements of the molecular weight of cellulose dissolved in ethylenediamine cadmium hydroxide (Cadoxen). Polimery 7 no.4:131-135 Ap '62

1. Instytut Włókien Sztucznych i Syntetycznych, Łódź.

JEDLINSKA, Maria

Angiorrhaphic picture of cerebral arterial occlusions. Neurologia  
etc. polska 11 no.2:181-185 Mr-Ap '61.

1. Z Kliniki Neurochirurgicznej A.M. w Krakowie Kierownik: prof.  
dr A. Kunicki.

(CEREBRAL ANGIOGRAPHY)  
(CEREBRAL EMBOLISM AND THROMBOSIS diag)

GRELA, Julian; JEDLINSKA, Maria

Thrombosis of the central cerebral artery with transitory edema of the affected hemisphere verified with angiography. Neurol. neurochir. psychiat. pol. 13 no.2:229-231 '63.

1. Z Kliniki Neurologicznej AM w Krakowie Kierownik: prof. dr W. Jakimowicz Z Kliniki Neurochirurgicznej AM w Krakowie Kierownik: prof. dr A. Kunicki.

(CEREBRAL EMBOLISM AND THROMBOSIS)  
(EDEMA) (CEREBRAL ANGIOGRAPHY)

SPETTOWA, Stanisława; JEDLIŃSKA, Maria

Angiography of neoplastic metastases to the brain. Pol. przegląd.  
radiol. 27 no.2:101-112 '63.

I. Z. Kliniki Neurochirurgicznej AM w Krakowie Kierownik:  
prof. dr A. Kunicki.

(BRAIN NEOPLASMS) (NEOPLASM METASTASIS)  
(CEREBRAL ANGIOGRAPHY)

SPETTOWA, S.; JEDLINSKA, M.; KUSMIDERSKI, J.

Determination of the type of neoplasm using cerebral angiography.  
Neurol. neurochir. psychiat. Pol. 14 no. 2:219-223 M-Ap '64.

1. Z Kliniki Neurochirurgicznej AM w Krakowie (Kierownik:  
prof. dr A.Kunicki) i z Zakładu Neuroradiologii (Kierownik:  
prof. dr S.Spettowa).

SPETTOWA, Stanislaw; JEDLINSKA, Maria; KUSMIDERSKI, Jozef

Differentiation of cerebral tumors with the aid of angiography.  
Neurol., neurochir., psychiat. Pol. 14 no.3: 463-467 My-Je '64

1. Z Kliniki Neurochirurgii Akademii Medycznej w Krakowie (Kierownik: prof. dr. A. Kunicki) i z Zakladu Neuroradiologii Kliniki Neurochirurgii Akademii Medycznej w Krakowie (Kierownik: prof. dr. S. Spettowa).

JEDLINSKI, JERZY

BOBER, Stanislaw; JEDLINSKI, Jerzy

Headache in neurological ambulatory practice. Wiadomosci lek.  
7 no.5:277-285 May 54.

(HEADACHE, etiology and pathogenesis,  
neuro. factors)

JEDLINSKI, Jerzy; KIERZKOWSKA-DOBROWOLSKA, Janina Barbara.

Kojownikow's epilepsy in a case of tumor of the frontal lobe.  
Neur. & c polska 10 no.4:541-543 J1-Ag '60.

1. Z Kliniki Neurologicznej A.M. w Krakowie. Kierownik: prof. dr  
Wl.Jakimowicz  
(EPILEPSY etiol)  
(FRONTAL LOBE neopl)



JEDLINSKI, Jerzy; MRUK, Jozef; LEWANDOWSKI, Jerzy

Insulema of the pancreas simulating epilepsy cured surgically.  
Polski tygod. lek. 15 no.19:721-723 9 My '60.

1. Z Kliniki Chorob Nerwowych; kierownik: prof. dr. Wl.  
Jakimowicz; Kliniki Chorob Wewnetrznych; kierownik: prof.  
dr. T. Tempka i II Kliniki Chirurgicalnej A. M. w Krakowie;  
p.o. kierownik: doc. dr. J. Oszaeki.  
(EPILEPSY diag.)  
(ISLET CELL TUMOR diag.)

LEONOWSKI, Stanisław; JEDLIŃSKI, Jerzy

Subdural hematoma in boxers. Pol. tyg. lek. 20 nr. 7. 1965-1966  
1. F'65.

1. Z Kliniki Neurochirurgicznej A. J. Jedlińskiego w Krakowie  
(kierownik kliniki: prof. dr. A. J. Jedliński) i z Wojewódzkiej  
Poradni Sportowo-Lekarskiej w Krakowie (kierownik poradni:  
dr. med. J. Jedliński).

JEDLINSKI, Z.

"Chromatographic Analysis in the Food Industry." p.19  
(PRZEMYSŁ ROLNY I SPOŻYWCZY Vol. 7, no. 1, Jan. 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

JEDLINSKI, Z.

1961. Rapid determination of chlorides in meat and fish products. Z. Jedlinski (*Przem. Rol. Spo.* 1963, 7 [10], 266).—In order to find a reliable rapid procedure for the determination of chlorides in meat and fish products, the conventional analytical methods have been examined, including the titrimetric determination of NaCl (I) in the water extracts of meat and fish, (II) in the filtrate obtained by incineration with Ca acetate and (III) by W. J. Dyer's method with adsorption indicators. The A.O.A.C. method for the analysis of plants was adopted; it involves wet oxidation with  $\text{HNO}_3$ . The method was modified for the analysis of meat and fish products as follows. A 2 to 5-g sample, weighed to 0.01 g, is dissolved by heating in an Erlenmeyer flask with 10 ml of conc.  $\text{HNO}_3$  and 0.1 g of  $\text{AgNO}_3$  (15 to 20 min.). Eight ml of a 5 per cent. soln. of  $\text{KMnO}_4$  are added and the product is heated on a water-bath for 30 min. After cooling to room temp., it is diluted with 40 ml of water; 2 ml of nitrobenzene and 2 ml of saturated ferric ammonium sulphate soln. are added. The soln. is titrated with 0.1 N potassium or ammonium rhodanide to a slight red-brown. The method is accurate to approx.  $\pm 0.02$  per cent. H. HURSTON

JEDLINSKI, Z.

JEDLINSKI, Z., How to prepare the plan for the receiving and dispatching of grain.  
p. 6.

Vol. 6, no. 7, July 1955, Warszawa, Poland

AGRICULTURE

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, No. 2 Feb. 1956

JEDLINSKI, Zb.

POLAND/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Fats and Oils, Waxes,  
Soaps, Detergents, Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48331

Author : Zb. Jedlinski, M. Hampel

Inst :

Title : Study of Surface Acting Substances. II. Preparation and  
Description of Surface Activity of Sodium Salts of Mono-  
glyceride Sulfates of Synthetic Fatty Acids.

Orig Pub : Przem. chem., 1956, 12, No 1, 47-51

Abstract : The synthesis of Na salts (I) of monoglyceride sulfates  
prepared of synthetic fatty acids and natural fats is  
described. The esterification was carried out in the  
presence of 0.2% of ZnO (per initial product) as of a  
catalyst. The I-s showed a considerable surface activi-  
ty. The surface tension of solutions of these compounds  
is equal or lower, and the capacity of froth production

Card 1/2

POLAND/Chemical Technology. Chemical Products and Their  
Applications. Fats and Oils. Waxes. Soaps and  
Detergents. Flotation Agents.

II

Abs Jour: Ref Zhur-Khin., No 8, 1959, 29130.

Author : Jedlinski, Z.

Inst :

Title : The Transesterification of the Glycerides from Cod  
Liver Oil and from Linseed Oil.

Orig Pub: Zesz Nauk Politechn Gdansk, No 7, 9-27 (1957) (in Polish  
with summaries in German and Russian)

Abstract: It has been found that the transesterification of the  
glycerides in linseed oil and in cod liver oil im-  
proves the drying properties of the oils. -- From a  
summary by the author.

Card : 1/1

POLAND/Chemical Technology. Chemical Products and Their  
Application. Lacquers. Paints. Coatings.

Pub Jour: Ref Zhur-Khim., No 2, 1959, 6641.  
Author : Jedlinski, Z.; Ustinski, T.  
Inst :  
Title : Effect of triphenylmethyl and Benzoyl Peroxide on Poly-  
merization and Drying of Linseed and Tung Oils.

Orig Pub: Przem. Chem., 1957, 13, No 7, 401-405.

Abstract: It is found as the result of the study of the effect  
of hexaphenylethane (I) (which dissociates in C<sub>6</sub>H<sub>6</sub>  
solution producing free triphenylmethyl radicals) and  
benzoyl peroxide (II) on the drying processes of lin-  
seed (LO) and tung (TO) oils, that the Pb-M sicca-  
tives (III) reduce the time of drying of LO at normal

: 1/4



H-30

POLAND/Chemical Technology. Chemical Products and Their  
Application. Lacquers, Paints. Coatings.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 6641.

temperature approximately to a fifth as compared with  
a control sample (which contains no III). No further  
reduction of the drying time of IO occurs, if, besides  
III, 2% of I would also be added; at a dosage of 0.1  
to 0.2% of I or 1% of II in the absence of III, the  
drying time of IO as compared with the control sample,  
decreases only insignificantly (to 1/1.3 - 1/1.7); an  
addition of III to IO decreases the drying time to a  
17th as compared with the control sample, and an ad-  
dition of I in the amount of 0.2, 1, 2 and 4% decreases  
the drying time of IO to 1/2.5, 1/52, 1/104 and 1/156  
respectively (the introduction of 1% of II decreases  
the drying time to 1/7). In contrast to samples con-  
taining III, TM with I produces a transparent film

Card : 2/4

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H-30

FORNID/Chemical Technology. Chemical Products and Their  
Application. Lacquers. Paints. Coatings.

Abs Jour: Ref Zhur-Khin., No 2, 1959, 6641.

without creases and patterns characteristic of TO,  
which indicates a uniform progress of polymerization  
in the whole layer of oil under the influence of free  
radicals. I and II not only do not enhance the poly-  
merization of LO (250°, viscosity control), but even  
retard it noticeably, and they enhance the polymeriza-  
tion of TM although to a lesser degree than the drying  
of TO. The conclusion is made that contrary to LO,  
the basic part in the process of drying of TO is played  
by the diene reaction developing with the aid of free  
radical and having the character of a chain reaction;  
the lesser efficiency of I and II at the polymeriza-  
tion of TO is explained by their partial decomposition  
due to elevated temperature and traces of water in oil.

Card : 3/4

POLAND/Chemical Technology. Chemical Products and Their  
Application. Lacquers, Paints. Coatings.

II-30

Abs Jour: Ref Zhur-Khina, No 2, 1959, 6641.

The slowing down of the polymerization of LO in the presence of I and II is caused, as it seems, by the inhibiting action of products of dissociation of I and II.  
L. Resin.

Card : 4/4

142

POLAND/Chemical Technology. Chemical Products and Their Applications. Lacquers. Paints. Coatings.

H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29647.

Author : Jedlinski, Z. and Umlinski, T.

Inst :

Title : The Effect of Free Radicals on the Mechanism of the Polymerization of the Glycerides in Tung Oil.

Orig Pub: Roczniki Chem, 31, No 3, 1053-1055 (1957) (in Polish with an English summary)

Abstract: The effect of the nature of the catalyst (C) used on the drying of tung oil (TO) has been investigated. The following were used as C: hexaphenylethane (I), benzoylperoxide (II), and Pb and Mn driers. Data are presented on the drying rate (D) of TO and of

Card : 1/3

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619610006-2"

POLAND/Chemical Technology. Chemical Products and Their Applications. Lacquers. Paints. Coatings.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29647.

linseed oil containing 0.02-1.3-4% (I), 1% II, 0.45% Pb, and 0.12% Mn. When the concentration of I, which decomposes readily in solution with the formation of free radicals (FR), is increased, a sharp increase in D is observed, indicating the chain character of the polymerization of TO. It is suggested that in the presence of FR, which activate the diene groups of the glycerides of eleostearic acid, the latter enter Diels-Alder reactions with the glycerides of other unsaturated acids, resulting in the simultaneous drying of all the layers in the film, including the bottommost layers which are practically deprived of contact with O<sub>2</sub>. This assumption is confirmed by the fact that the TO on

Card : 2/3

297

COUNTRY : POLAND G  
 CATEGORY : Organic Chemistry. Natural Substances and  
 Their Synthetic Analogs  
 ABS. JOUR. : RZKhim., No. 23 1959, No. 82390  
 AUTHOR : Jedlinski, Z.  
 INST. :  
 TITLE : Synthesis, Properties and Structure of Certain  
 Esters of Fatty Acids of Methyl- $\alpha$ -D-Glucopy-  
 ranoside and Methyl- $\beta$ -D-Glucopyranoside  
 ORIG. PUB. : Roczn. chem., 1958, 32, No 6, 1257-1268  
 ABSTRACT : The synthesis of esters of fatty acids and  
 methylglucosides by heating of fatty acids  
 and glucosides at 170-180° in xylol, with  
 azeotropic dehydration, in the presence of  
 the catalyzers ZnO and PbO, is described.  
 It has been shown that the OH-group in C(2)  
 of methylglucosides is acylated selectively;  
 under the action of one mole of acid upon one  
 mole of glucoside, mainly 2,6-cyl derivatives

CARD: 1/3

G-31

COUNTRY :  
 CATEGORY :  
 ABS. JOUR. : RZKhim., No. 23 1959, No. 82390  
 AUTHOR :  
 INST. :  
 TITLE :  
 ORIG. PUB. :  
 ABSTRACT : are formed, which is proved by oxidation with  
 cont'd HIO<sub>4</sub> and measurement of the specific rota-  
 tion. The esters obtained, b.p. in °C/mm,  
 m.p. in °C, n<sub>D</sub><sup>20</sup>, [ $\alpha$ ]<sub>D</sub><sup>20</sup> in chloroform, are  
 enumerated as follows: tetracaproylmethyl- $\alpha$ -  
 D-glucopyranoside, 180-190/10<sup>-2</sup>-5.10<sup>-3</sup>, --,  
 1.4559, +87.9°; tetracaproylmethyl- $\alpha$ -D-  
 glucopyranoside, 205-215/10<sup>-2</sup>-5.10<sup>-3</sup>, --,  
 1.4575, +75.1°; tetralauroylmethyl- $\alpha$ -D-glu-  
 copyranside, --, 40-41, --, +51.1°; tetra-

CARD: 2/3

Jedlinski, K., Z

Distr: 4E2o(j)

15  
Chemistry and technology of alkyd resins. 77 pages.  
Jedlinski (Inst. Farb-Laborów, Gdansk, Poland). ~~Research~~  
Chem. 37, 12-13 (1954). — Influence of raw materials on the  
properties of alkyd resins, and trends in the chem. develop-  
ment of these resins are reviewed. 16 references. F. J. Mandel.

3  
2 May  
1

COUNTRY : Poland  
 CATEGORY :  
 ABS. JOUR. : RZKhim., No. 1959, No. 72792  
 AUTHOR : Jedlinski, Z.; Szpakowski, S.  
 INST. :  
 TITLE : Fractionation of Fatty Acids of Codfish Oil  
 by Formation of Adducts with Urea.  
 ORIG. PUB. : Przem. chem., 1958, 37, No 10, 648-650

ABSTRACT : Crystalline compounds of fatty acids (FA) with urea (U) were obtained by treating a solution of FA in an organic solvent (methanol, gasoline, or petroleum ether) with crystalline U, or with a solution of U in methanol. After gentle heating the mixture was allowed to stand for 30-48 hours at low temperature. The crystals that separated were filtered off, washed thoroughly, and dried. From the filtrate, after slight acidification and dilution with water, the unsaturated acids were extracted with a mixture of petroleum ether and ethyl ether. The crystalline products were decomposed with boiling water and from the aqueous emulsion the saturated acids were obtained. To determine

CARD: 1/2

15

ORIGIN	:	Poland	1-4
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 5 1960, No.	18234
AUTHOR	:	Jedlinski, Z. and Nowak, J. M.	
INST.	:	Not given	
TITLE	:	Primers in the Control of Metal Corrosion in the Shipbuilding Industry	
ORIG. PUB.	:	Budown Okret, 4, No 7, 209-212 (1959)	
ABSTRACT	:	Corrosion tests have shown the good protective properties of Polish primers formulated on the basis of tetraaxial zinc chromate and used in the shipbuilding industry.	
		V. Levinson	
CARD:		1/1	



JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena; UHACZ, Kazimierz

Determination of toxicity of antifouling paints on the basis of  
photocolorimetric determination of copper as a glycine complex.  
Chem anal 4 no.5/6:849-854 '59. (EEAI 9:9)

1. Instytut Farb i Lakierow, Gliwice.  
(Copper) (Paint) (Colorimetry) (Glycine)

5(3)

SOV/80-32-5-46/52

AUTHOR: Jedliński, Z.I. (Gdańsk)

TITLE: The Effect of the Structure of Alcohol on the Film-Forming Properties of Its Esters

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1169-1171 (USSR)

ABSTRACT: Unsaturated esters of  $\alpha$ -methylglucoside, pentaerythrite, glycerol and mannite have been studied to determine their ability to form a three-dimensional polymer in films. The assumption of Drinberg / Ref 3 / that the structure of the alcohol has an effect on the film-forming properties has been confirmed. The rate of drying and polymerization is determined by the quantity and the position of the double bonds. The three-dimensional structure of the polymer has also considerable effect on these properties. The rate of drying in the air decreases in the following order: esters of  $\alpha$ -methylglucoside, of pentaerythrite, of glycerol, of mannite.  
There are 2 tables and 5 references, 2 of which are Soviet, 2 Polish and 1 American.

Card 1/2

SOV/80-32-5-46/52

The Effect of the Structure of Alcohol on the Film-Forming Properties of Its Esters

ASSOCIATION: Politekhniicheskiy Institut, Gdańsk (Polytechnical Institute, Gdańsk, Poland)

SUBMITTED: June 12, 1958

Card 2/2

JEDINSKI, Z.; NOWAK, J.

Reactive coatings. Pt. 1. Influence of some elements on the anticorrosive properties of reactive coatings. p. 176.

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa, Poland. Vol. 38, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) IC. Vol. 8, no. 7, July 1959.

Uncl.

39145  
S/081/62/000/012/053/063  
B158/B101

AUTHORS: Jedliński, Zbigniew, Kulkowa, Jadwiga, Matracka, Wanda

TITLE: Fire-proof paints

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 604, abstract  
12P214 (Tworzywa. Guma. Lakiery, v. 5, nos. 11-12, 1960,  
352-354, 384)

TEXT: For the protection of a material against fire, a paint is applied which under the action of fire forms a fused vitreous layer or foamed microporous layer. Sb, Al and Bi oxides, and SbS are used as pigments as well as cheaper pigments and fillers:  $ZnO$ ,  $TiO_2$ ,  $MgSiO_3$ ,  $BaSO_4$ ,  $Zn_3(BO_3)_2$  and  $CaCO_3$ . For foaming and swelling are added  $(NH_4)_3PO_4$ , casein, starch, urea, dicyandiamide, polyamide resin, carbonates,  $H_3PO_4$ , salicylic acid, glycerine, methylenedisalicylic acid, and benzenesulfohydrazide. Asbestos powder, graphite, mica, shale powder, Al minerals,  $Al(OH)_3$ ,  $MgO$ , and also fatty hydroxyacids, treated with  $Cl_2$  or  $H_3PO_4$ , glycine, boranes,  $H_3BO_3$ ,  
Card: 1/2

85194

24.6200

1403

P/014/60/039/002/001/002  
A221/A026

AUTHORS: Jedliński, Zbigniew, Hippe, Zdzisław and Umiński, Tadeusz

TITLE: Influence of Gamma Radiation<sup>19</sup> and Neutrons on Laquer<sup>6</sup> Coatings

PERIODICAL: Przemysł Chemiczny 1960, Vol. 39, No. 2, pp. 110-112

TEXT: This article is the first of a series. As a preliminary work, the authors investigated the influence of gamma radiation and of neutrons on protective coatings of various film forming materials, like chlorinated rubber, chlorinated polyvinyl chloride, polyvinyl butyral, co-polymer of vinyl chloride and isobutyl ether of polyvinyl alcohol, alkyd resin, phenol-formaldehyde resin and polymerised linseed oil. Compositions of same are given in Table 1. Radiation time was 3 months (2,160 hours) at 10,800 r. Tests samples were ageing at normal temperatures if exposed to atmospheric conditions. Thoroughly cleaned test plates were coated twice at 24-hour interval. Twelve plates were coated with each laquer; 4 of them were irradiated, 4 were ageing in normal atmospheric conditions and 4 were examined at the beginning of the experiment for physico-chemical properties. Samples for irradiation were fastened to a regular 16-wall drum 26 cm in diameter, equidistant from the radiation source. In the center of the drum a platinum needle with 100 mg of  $Ra^{226}$  screened by beryllium was placed.

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85191  
P/014/60/039/002/001/002  
A221/A026

# Influence of Gamma Radiation and Neutrons on Laquer Coatings

Because of the beryllium screening, apart from gamma rays, neutrons were also present. The whole setting was screened with 10-cm thick lead plates. At the beginning of the experiment and after 3 months of irradiation, the coating layer was examined for a) shock resistance, b) elasticity, and c) adhesion. Results of these investigations are given in Tables 2-3. It came out that coatings made of polyvinyl butyral, copolymer of vinyl chloride and isobutyl ether of polyvinyl alcohol, alkyd resin or polymerized linseed oil showed much better elasticity and shock resistance than respective samples ageing in normal atmospheric conditions. Irradiated samples of coatings made of chlorinated rubber, chlorinated polyvinyl chloride and phenol-formaldehyde resins have lost the elasticity and adhesion. There are 3 tables and 8 references: 1 German, 1 Polish and 6 English.

ASSOCIATION: Katedra Technologii Powłok Ochronnych Politechniki Śląskiej (Silesian Polytechnical Institute, Department of Protective Coating Technology) in Gliwice

Card 2/2

JEDLINSKI, Zbigniew

Influence of the structure of fatty acids upon the rate and mechanism of the oxidative polymerization of modified alkyd resins. Przem chem 39 no.5:272-275 My '60.

1. Katedra Technologii Organiczných Powłok Ochronnych, Politechnika Śląska, Gliwice.



JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena

A method of evaluation of the anticorrosive properties of anti-galvanic coatings. Przem chem 39 no.7:443-446 J1 '60.

P/014/60/039/012/007/007  
A221/A126

AUTHORS: Jedliński, Zbigniew, and Hippe, Zdzisław

TITLE: A new apparatus for the examination of hardness and elasticity of paint coatings

PERIODICAL: Przemysł Chemiczny, v. 39, no. 12, 1960, 787 - 789

TEXT: The authors describe an apparatus of their own design for measuring the hardness of paint coatings. This invention is an improved version of a similar device, first designed by Messrs. Smith and Orchard (Ref. 1: N. D. P. Smith, S. E. Orchard, Deutsche Farben Z., 1959, 470). The examination consists in measuring the height to which a steel ball rebounds after falling from a determined height onto the examined paint coating. The following formula is applied:  $h = A(h_0 - B \cdot t \cdot \sqrt{\eta})$ , where  $h$  - is the height of the ball's rebound;  $h_0$  - is the initial height from which the ball falls,  $A$  - is the elasticity coefficient,  $B$  - is the function of the ball's dimension and the base thickness,  $t$  - is the thickness of the examined paint coating, and  $\eta$  - is the viscosity. The apparatus consists of two parts: the 2 cm thick supporting glass plate, standing on 3 screws, allowing to ad-

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A new apparatus for the examination of...

P/014/60/039/012/007/007  
A221/A126

just its horizontal position, and a wooden casing with a scale in centimeters, 60 cm high, painted on the back wall. A small steel plate with a 10 mm hole can be fastened to the glass plate. The sample plate made of glass or metal and coated with the paint to be examined is fixed between these two plates. An electromagnet fixed at the top of the housing holds the 7 mm diameter steel ball in a small recess in its core, exactly over the hole in the steel plate fixed on the bottom. On both sides of the housing there are long narrow slots, through which the light is thrown upon the falling and/or the rebounding ball. The ball is then released by cutting off the current to the electromagnet and at the same time the shutter of a camera standing in front of the apparatus is opened. On the film the ball is photographed against the scale, and the height of the rebound is accurately measured. There are 4 photos and 2 non-Soviet-bloc references. The reference to the English-language publication reads as follows: C. I. Snow, Off. Digest, 29, 907, 1957.

ASSOCIATION: Instytut Tworzyw Sztucznych i Lakierów (Institute of Plastics and Lacquers)

SUBMITTED: May 12, 1960

Card 2/2

JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena

Determination of the toxicity of antifouling paints. II. Laboratory  
method of determining elution curves of copper. Chem anal 6 no.2:  
167-172 '61. (EEAI 10:9)

1. Institute of Paints and Lacquers, Gliwice.

(Paint) (Copper)

JEDLIŃSKI, Z. ✓

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Not stated

Affiliation: Department of the Technology of Organic Protective  
Coatings, Silesian Technical University (Katedra  
Technologii Organicznej Powłok Ochronnych, Politechnika  
Śląska, Gliwice

Source: Warsaw, Bulletin de l'Académie Polonaise des Sciences,  
Série des Sciences Chimiques, Vol 9, No 3, Mar 61,  
pp 107-110.

Data: "Spectrophotometric Studies on the Mechanism of  
Polymerization of Unsaturated Glycerides."

JEDLINSKI, Zbigniew; UHACZ, Kazimierz

Toxic coatings. I.: Influence of some organic chlorine derivatives  
on the anti-corrosive properties of lacquered coatings. Przem chem  
40 no.8:464-465 Ag '61.

1. Katedra Technologii Organicznych Powlok Ochronnych Politechniki  
Slaskiej oraz Instytut Farb i Lakierow, Gliwice.

JEDLIŃSKI, Zbigniew, doc., dr., inż.; MATRACKA, Wanda, mgr., inż.

Anticorrosive protection of aluminum alloys in shipbuilding.  
Bud okretowe Warszawa 7 no.2:53-55 '62.

1. Politechnika Śląska

S/081/62/000/024/011/052  
B117/B186

AUTHORS: Jedliński, Zbigniew, Filipiska, Mirosława

TITLE: A polarographic method of determining phthalic anhydride in modified alkyd resins

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 826, abstract 24P20 (Polimery, tworzywa wielkocząsteczkowe, v. 7, no. 4, 1962, 123 - 124 [Pol.; summaries in Eng. and Russ.])

TEXT: A method is given for the polarographic determination of phthalic anhydride in alkyd resins. The results were compared with those of gravimetric and volumetric analyses. A statistical estimate of the results showed that the polarographic method is very accurate and is distinguished by a rather small spread of the resulting data. It also offers the great advantage that phthalic anhydride can be determined in pure as well as in modified resins. The presence of other dibasic organic acids, colophony, and phenol resins in modified acids does not affect the analysis.  
[Abstracter's note: Complete translation.]

Card 1/1



JEDLINSKI, Zbigniew; MAUBERG, Wacław

A method of determining the water content in polymer coatings by measurements of the dielectric constant. Chem anal 7 no.4:839-846 '62.

1. Department of Technology of Organic Protection Coatings, Polytechnic, Gliwice, and Institute of Paints and Lacquers, Gliwice.

JEDLINSKI, Jerzy; STEFANKO, Stanislaw

2 cases of severe cerebral complications during the course of chronic  
cor pulmonale syndrome. Pol. tyg. lek. 17 no.30:1194-1195 23 JI '62.

1. Klinika Neurologiczna AM w Krakowie, kierownik; prof. dr  
Wl. Jakimowicz.

(PULMONARY HEART DISEASE) (BRAIN DISEASES)  
(CEREBROVASCULAR DISORDERS)

S/081/62/000/024/049/052  
B166/B186

AUTHOR: Jedlinski, Zbigniew

TITLE: Spectrophotometric study of the mechanism of heat polymerization of unsaturated glycerides

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 1052, abstract 24R126 (Roczn. chem., v. 36, no. 4, 1962, 619-624 [Pol.; summaries in Russ. and Eng.] )

TEXT: Spectrophotometry is used to show that the heat polymerization of unsaturated fatty glycerides proceeds according to the Diels-Alder reaction in the main, whereby the double bonds isolated at first migrate to the conjugated position under the effect of temperature. [Abstracter's note: Complete translation.]

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JEDLINSKI, Zbigniew; PAPROTY, Jerzy

Obtaining and properties of acrylic and crotonic esters of methyl- $\alpha$ ,D-glucopyranoside. *Hocz chemii* 36 no.9:1321-1324 '62.

1. Department of Organic Protective Coatings, Silesian Institute of Technology, Gliwice.

JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; MAUBERG, Wacław

Photometric method of quantitative evaluation of the surface corrosion of metals. Przem chem 41 no.2:64-66 F '62.

1. Katedra Technologii Organicznych Powlok Ochronnych. Politechnika Slaska, Gliwice

P/014/62/041/003/003/003  
D204/D301

AUTHORS: Jedliński, Zbigniew and Kokot, Irena

TITLE: Ageing of polymers under ultraviolet radiation. The protective action of 2-hydroxy-4-methoxybenzophenone (A)

PERIODICAL: Przemysł Chemiczny, v. 41, no. 3, 1962, 156-159

TEXT: An account of Western work in this field is first given. In the present work the protective action of compound A (Cynsorb UV-24, developed by the Cyanamid Co.) on polymer lacquer coatings of various compositions was studied. The assessment of protection was on the basis of (a) change of color (yellowing), and (b) elasticity and hardness changes under the action of u.v. radiation. 8 Polymers with A added and 8 control samples were painted on glass plates to various thicknesses (10-42  $\mu$ ) and were irradiated for 18 hours. Experimental details are briefly described and the results are presented in graphical and tabular form. It was found that the protective action of A was most pronounced in the case of

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Ageing of polymers under ...

P/014/62/041/003/003/003  
D204/D301

chlorinated rubber and polyvinyl coatings, and was also noticeable on nitrocellulose, polystyrene and a copolymer of vinyl chloride and vinylidene chloride. Decoloration was negligible, elasticity decreased only slightly and the hardness tended to increase. Coatings composed of chlorinated polyvinyl chloride or of oil and various resins (e.g. phenol-formaldehyde) were little affected either by irradiation or additions of A. There are 8 figures, 3 tables and 8 non-Soviet-bloc references. The 4 most recent references to the English-language publications read as follows: E. Fitzgerald, Ind. Eng. Chem. 45, 2545 (1958); N. Marshall, Off. Digest, 29, 792, (1957); M. Charberlain, R.A. De Lap and C.L. Stacy, Ind. Eng. Chem., 48, 1209 (1956); R.J. Weth and A. Signore, Am. Paint J. 42, 6, 117, (1957).

ASSOCIATION: Katedra technologii organicznych powlok ochronnych politechniki Slaskiej (Department of the Technology of Organic Protective Coatings, Silesia Polytechnic Institute); Instytut farb i lakierow w Gliwicach (Institute of Paints and Lacquers, Gliwice)  
September 26, 1961

SUBMITTED:  
Card 2/2

JEDLIŃSKI, Zbigniew

POLAND

JEDLIŃSKI, Zbigniew; PAPROTNY, Jerzy

Department of Protective Coating Technology, **Silesian**  
Polytechnic School (Katedra Technologii Powłok Ochron-  
nych Politechniki Śląskiej), Gliwice (for both)

Warsaw, Chemia analityczna, No 5, 1963, pp 765-69.

"Application of Amperometry for the Analysis of Organic  
Compounds--I. Iodometric Titration of Carbon-Carbon  
Double Bonds using "Dead-Stop" Method".



JEDLINSKI, Zbigniew; MATRACKA, Wanda; STANKOWSKI, Henryk

Studies on the physicochemical structure of organic coatings.  
Pt1 1. Polimery tworzą wielk 8 no.4:151-154 Ap '63.

1. Katedra Powłok Organicznych, Politechnika, Gliwice, i Instytut  
Farb i Lakierów, Gliwice.

POLAND

JEDLIŃSKI, Zbigniew, and TOKARZEWSKA, Maria, of the Department of Technology of Plastics and Polymers, Institute of Technology (Katedra Technologii Polimerów Organicznych Politechniki, Gliwice), in Gliwice.

" Synthesis, Properties and Structure of the New Glycidether of Some Dihydroxy-naphthyls." Letter to the Editor.

Warsaw, Roczniki Chemii, Vol 37, No 9, 1963, pp 1085-1087.

Abstract: [Authors' German summary modified] In the course of studies on the synthesis of new glycidethers the unknown today diglycidethers of  $\alpha, \alpha'$ -dinaphthols and  $\alpha, \alpha'$ -dinaphtholmethanes were obtained. They were the most valuable intermediate compounds obtained in the synthesis of epoxy polymers. The method of synthesis is described. Comparative infrared spectrum adsorption measurements were made with an analysis of the structure of these new compounds. One German reference.

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L 19150-63

ACCESSION NR:

AP3005914

EWP(j)/EPF(c)/EWT(m)/BDS

AFFTC/ASD

Pc-4/Pr-4

RM/MAY

P/0014/63/042/007/0365/0368

AUTHOR:

Jedlinski, Zbigniew, Hippe, Zdzislaw, and Zurakowska-Orszagh, Tanina

TITLE:

Influence of gamma radiation on the properties of certain film-forming polymers

SOURCE:

Przemysl chemiczny, v. 42, no. 7, 1963, 365-368

TOPIC TAGS:

Gamma ray, ionizing radiation, polymer, film-forming polymer, polyurethane resin, silicone resin, epoxy resin, Miller rule, aromatic system

ABSTRACT:

A study was made of the influence of ionizing radiation on lacquer coatings obtained from low molecular weight vinyl polymers and copolymers and selected polyurethane, silicone and epoxy resins. The stability of the polymers to radiation was found to be dependent on their chemical structure. However, they show deviations from Miller's rule [Abstracter's note: Miller's rule not stated], which cannot in this case be applied without limitations. The presence of chlorine has an adverse effect on the stability of the polymer to

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ACCESSION NR: AP3005914

radiation, and the presence of aromatic systems has a stabilizing effect. Epoxide and silicone resins shown some beneficial changes which cause their dielectric constants to increase. The esterification of acid groups in copolymers of vinyl chloride, vinyl acetate and maleic anhydride raises their resistance to the action of gamma radiation. Orig. art. has: 5 tables.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: CH

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NO REF SOV: 000

ENCL: 00

OTHER: 030

Card 2/2